

APPLICANT(S): KOHEN, Ran  
SERIAL NO.: 10/021,568  
FILED: December 12, 2001  
Page 2

### AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

Claims 1-3 (Cancelled)

Claim 4. (Amended) A combination of a fixable socket and a plug revolvable therein for conducting electric power and for mechanically supporting in a desired orientation an appliance receiving said power, said combination comprising:

AI a) a socket rigidly attachable to a wall or ceiling, said socket comprising a non-conductive body including at least two spaced-apart hollow arcuate conducting receptacles insulated from each other and having a common center of curvature and being connectable to an electric power supply, said socket rigidly supporting a first structural element of a mechanical connection located at said radius of curvature; the center of

not specific b) a plug also comprising a non-conductive body, rigidly attachable to, and configured to mechanically support an appliance from a first face, said plug supporting from a second face at least two projecting conducting prong elements insulated from each other and engagable with said at least two arcuate receptacles respectively and connectable to conductors for feeding electric power to said appliance, said plug also including a second structural element engagable to said first structural element of said mechanical connection and allowing said plug to revolve at least part of a revolution about said center of curvature;

and

c) releasable latching means attached to said combination, providing when engaged a retention force between said socket and said plug to prevent disengagement and to support said appliance;

APPLICANT(S): KOHEN, Ran  
SERIAL NO.: 10/021,568  
FILED: December 12, 2001  
Page 3

said first structural element of a mechanical connection comprising an aperture and said second structural element of a mechanical connection comprising a post-like male member engagable with said aperture; and

~~The socket plug combination as claimed in claim 2, wherein both parts~~ said first and second structural elements of said mechanical connection are conductive and are arranged to be wired for use as an earth connection.

Claims 5-6 (Cancelled)

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Claim 7. (New) A connection apparatus, comprising:

a fixable socket having two or more spaced apart hollow concentric receptacles, said receptacles being insulated from each other and having respective recesses including conductive inserts, said conductive inserts being connectable to an electric power supply; and

a plug adapted to revolve in said socket, said plug having two or more conductive prong rings positioned to be engagable with said concentric receptacles, said prong rings adapted to conduct electric current to an appliance associated with said plug.

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? Claim 8. (New) The apparatus of claim 7, comprising a first structural element of a mechanical connection, supported rigidly by said socket, and a second structural element of said mechanical connection, said second structural element being engageable to said first structural element and being adapted to revolve around said fixable socket. ? the axis of

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Claim 9. (New) The apparatus of claim 10, wherein said first structural element and said second structural element of said mechanical connection are conductive of electric current, and are used as an earth connection. earth

APPLICANT(S): KOHEN, Ran  
SERIAL NO.: 10/021,568  
FILED: December 12, 2001  
Page 4

Claim 10. (New) The apparatus of claim 7, comprising a releasable latching mechanism providing a retention force between said socket and said plug, to prevent unwanted disengagement of said plug from said socket.

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X Claim 11. (New) The apparatus of claim 8, wherein said latching mechanism includes a captive ball detent.

AI Claim 12. (New) The apparatus of claim 7, wherein said socket and said plug have non-conductive bodies.

Claim 13. (New) The apparatus of claim 7, wherein said recesses are molded.

112 Claim 14. (New) The apparatus of claim 14, wherein said prong rings are connected to conductors to channel electric power to said associated appliance.

Claim 15. (New) An electric socket rigidly attachable to a surface, comprising two or more spaced apart hollow concentric receptacles, said receptacles being insulated from each other and having respective recesses including conductive inserts, said conductive inserts being connectable to an electric power supply, said socket being adapted to connect to a plug supporting an appliance, said plug having two or more conductive prong rings positioned to be engagable with said concentric receptacles.

Claim 16. The socket of claim 15, comprising a first element of a mechanical connection adapted to be connected to a second element of said mechanical connection in said plug, said first and second elements being conductive of electric current, and wired for use as an earth connection.

APPLICANT(S): KOHEN, Ran  
SERIAL NO.: 10/021,568  
FILED: December 12, 2001  
Page 5

Claim 17. (New) An electric plug comprising two or more concentric conductive prong rings being positioned to be engagable with two or more respective spaced apart hollow concentric receptacles of a fixable socket connected to an electric power source, said conductive prong rings adapted to conduct electric current to an appliance associated with said plug.

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Claim 18. (New) The plug of claim 17, further comprising two or more conductors connected to said two or more prong rings, to channel electric power to said associated appliance.

Claim 19. (New) The plug of claim 17, comprising a releasable latching mechanism providing a retention force between said plug and said socket to prevent unwanted disengagement of said plug from said socket.

Claim 20. (New) The plug of claim 17, further comprising a first element of a mechanical connection adapted to connect to a second element of a mechanical connection in said socket.

Claim 21. (New) The plug of claim 20, wherein said first and second elements of said mechanical connection are conductive of electric current, and are wired for use as an earth connection.

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